Database	Search Strategy	Search Filter
PubMed	("Public Health"[MeSH Terms] OR "Public Health Informatics"[MeSH Terms] OR	Timeline: Articles published from 2000 to 2020
	"Public Health Practice"[MeSH Terms]) AND (("Population	Upon revision of our scope to focus solely on COVID-19,
	Surveillance"[MeSH Terms] OR "Public Health	timeline was revised and filtered to December 2019 to December 2020
	Surveillance"[MeSH Terms] OR ("Epidemiological Monitoring"[MeSH Terms] OR	Language: Articles published in English
	"Sentinel Surveillance" [MeSH Terms]) OR	
	"Biosurveillance"[MeSH Terms]) AND ("Pandemics"[MeSH Terms] OR "COVID-19"[Supplementary	
	Concept] OR "influenza a virus, h1n1 subtype"[MeSH Terms] OR	
	"Disease Outbreaks" [MeSH Terms] OR "Coronavirus Infections" [MeSH Terms] OR	
	"SARS Virus"[MeSH Terms]))	
Scopus	(((TITLE-ABS-KEY("population surveillance" OR "Public health surveillance" OR	Timeline: Articles published from 2000 to 2020
	surveillance)) OR (TITLE-ABS-KEY ("digital surveillance"	Upon revision of our scope to focus solely on COVID-19,
)) OR (TITLE-ABS-KEY (biosurveillance)) OR (TITLE- ABS-KEY ("epidemiological	timeline was revised and filtered to December 2019 to December 2020
	monitoring"))) AND ((TITLE-ABS-KEY (pandemic OR	Language: Articles published in English
	pandemics)) OR (TITLE-ABS- KEY ("disease outbreak" OR	
	"disease outbreaks")) OR (TITLE-ABS-KEY ("coronavirus infections" OR "Covid-19" OR	
	"Covid19")) OR (TITLE-ABS- KEY(h1n1)) OR (TITLE-	
	ABS-KEY (sars OR "SARS virus")))) AND (TITLE-ABS-	
	KEY ("Public health" OR "public health application"))	

CINAHL	S1: (MH "Population	Timeline: Articles published from
	Surveillance+") OR "population	2000 to 2020
	surveillance" OR (MH "Disease	
	Surveillance")	Upon revision of our scope to
	Í	focus solely on COVID-19,
	S2: "public health surveillance"	timeline was revised and filtered to
		December 2019 to December 2020
	S3: "digital surveillance"	
		Language: Articles published in
	S4: (MH "Biosurveillance") OR	English
	"biosurveillance"	
	S5: "epidemiological monitoring"	
	S6: S1 OR S2 OR S3 OR S4 OR	
	S5	
	S7. (MIL "Discoss Outhmosts") OD	
	S7: (MH "Disease Outbreaks") OR "pandemic" OR (MH "Influenza,	
	Pandemic (H1N1) 2009")	
	Fandenne (IIIIVI) 2009)	
	\$8: (MH "COVID-19") OR	
	"covid"	
	Covid	
	S9: (MH "SARS Virus") OR	
	"sars"	
	S10: (MH "Coronavirus	
	Infections") OR "coronavirus	
	infection"	
	S11: S7 OR S8 OR S9 OR S10	
	S12: (MH "Public Health+") OR	
	"public health application"	
	G12 G(AND G11	
	S13: S6 AND S11	
	S14: S12 AND S13	
Google Scholar	(("population surveillance" OR	Timeline: Articles published from
Google Scholar	"public health surveillance" OR	2000 to 2020
	surveillance OR "digital	2000 10 2020
	surveillance" OR Biosurveillance.	Upon revision of our scope to
	OR "surveillance technology" OR	focus solely on COVID-19,
	"surveillance technologies" OR	timeline was revised and filtered to
	"epidemiological monitoring")	December 2019 to December 2020
	- opidennological monitoring)	December 2017 to December 2020

	1 1 1 0 5 " "	T
	AND (pandemic OR "disease outbreak" OR "coronavirus infections" OR covid19 OR "Covid-19")) AND ("Public health" OR "public Health applications")	Language: Articles published in English
PsychInfo (Ovid)	Population Surveillance/ or Public Health Surveillance/ or surveillance.tw. 2: digital surveillance.tw. or Biosurveillance.tw. or Biosurveillance/ 4: epidemiological monitoring.tw. or Epidemiological Monitoring/ 5:1 or 2 or 3 or 4 6: exp Pandemics/ or pandemic.mp. 7: exp Disease Outbreaks/ or disease outbreak.mp. 8: Coronavirus Infections/ or covid-19.tw. 9: covid19.tw. 10: H1N1.tw. 11: SARS Virus/ or SARS.tw. 12:6 or 7 or 8 or 9 or 11 13: exp Public Health/ or public health application.mp. 14:5 and 12 15:14 and 15	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English
Embase	Population Surveillance/ or Public Health Surveillance/ or surveillance.tw. 2: digital surveillance.tw. 3: biosurveillance.tw. or Biosurveillance/ 4: epidemiological monitoring.tw. or Epidemiological Monitoring/ 5:1 or 2 or 3 or 4 6: exp Pandemics/ or pandemic.mp. 7: exp Disease Outbreaks/ or disease outbreak.mp. 8: Coronavirus Infections/ or covid-19.tw. 9: covid19.tw. 10: H1N1.tw.	Timeline: Articles published from 2000 to 2020 Upon revision of our scope to focus solely on COVID-19, timeline was revised and filtered to December 2019 to December 2020 Language: Articles published in English

	11: SARS Virus/ or SARS.tw.	
	12:6 or 7 or 8 or 9 or 11	
	13: exp Public Health/ or public	
	•	
	health application.mp. 14:5 and 12	
M 11: (O : 1)	15:14 and 15	m; 1; A .; 1 11; 1 1 C
Medline (Ovid)	Population Surveillance/ or Public	Timeline: Articles published from
	Health Surveillance/ or	2000 to 2020
	surveillance.tw.	
	2: digital surveillance.tw.	Upon revision of our scope to
	3: biosurveillance.tw. or	focus solely on COVID-19,
	Biosurveillance/	timeline was revised and filtered to
	4: epidemiological monitoring.tw.	December 2019 to December 2020
	or Epidemiological Monitoring/	
	5:1 or 2 or 3 or 4	Language: Articles published in
	6: exp Pandemics/ or	English
	pandemic.mp.	
	7: exp Disease Outbreaks/ or	
	disease outbreak.mp.	
	8: Coronavirus Infections/ or	
	covid-19.tw.	
	9: covid19.tw.	
	10: H1N1.tw.	
	11: SARS Virus/ or SARS.tw.	
	12:6 or 7 or 8 or 9 or 11	
	13: exp Public Health/ or public	
	health application.mp.	
	14:5 and 12	
	15:14 and 15	
ACM digital library	"query": {AllField:("population	Timeline: Articles published from
	surveillance" OR "public health	2000 to 2020
	surveillance" OR "surveillance"	
	OR "digital surveillance" OR	Upon revision of our scope to
	"biosurveillance" OR	focus solely on COVID-19,
	"epidemiological monitoring")	timeline was revised and filtered to
	AND AllField:("pandemic?" OR	December 2019 to December 2020
	"disease outbreak?" OR	
	"coronavirus infection?" OR	Language: Articles published in
	"covid\-19" OR "covid19" OR	English
	"H1N1" OR "SARS virus" OR	8
	"SARS") AND AllField:("public	
	health" OR "Public health	
	application")} "filter":	
	{Publication Date: (01/01/2000	
	TO 12/31/2020)},{ACM Content:	
	DL},{NOT VirtualContent: true}	
	DL3,{NOT VIIIualContent: true}	

IEEE Explore	((("Full Text &	Timeline: Articles published from
	Metadata":"population	2000 to 2020
	surveillance" OR "public health	
	surveillance" OR "surveillance"	Upon revision of our scope to
	OR "digital surveillance" OR	focus solely on COVID-19,
	"contact trac*" OR	timeline was revised and filtered to
	"biosurveillance" OR	December 2019 to December 2020
	"epidemiological monitoring")	
	AND "Full Text &	Language: Articles published in
	Metadata":"pandemic?" OR	English
	"disease outbreak?" OR	
	"coronavirus infection?" OR	
	"covid-19" OR "covid19" OR	
	"H1N1" OR "SARS virus" OR	
	"SARS") AND "Full Text &	
	Metadata":"public health" OR	
	"Public health application")	